Corpus Christi Drinking Water System Samples

Location ID	Sample ID	Sample Date	Analyte	LC/MS Result (mg/L)	Lab Result Qualifier	LC/MS Reporting Limit (mg/L)	GCMS Result (mg/L)	Lab Result Qualifier	GCMS Reporting Limit (mg/L)
RS-001	000992-02	12/16/2016	Indulin AA-86	ND	UJ	0.05	ND	UJ	0.25
RS-001	006379-05	12/17/2016	Indulin AA-86	ND	UJ	0.05	ND	UJ	0.26
RS-002	000992-04	12/16/2016	Indulin AA-86	ND	UJ	0.05	ND	UJ	0.25
RS-002	006378-01	12/17/2016	Indulin AA-86	ND	UJ	0.05	ND	UJ	0.26
RS-003	006380-01	12/17/2016	Indulin AA-86	ND	UJ	0.05	ND	UJ	0.26
RS-004	006380-02	12/18/2016	Indulin AA-86	ND	UJ	0.05	ND	UJ	0.27
RS-005	000992-03	12/16/2016	Indulin AA-86	ND	UJ	0.05	ND	UJ	0.25
RS-005	006378-02	12/18/2016	Indulin AA-86	ND	UJ	0.05	ND	UJ	0.26
RS-006	000992-05	12/16/2016	Indulin AA-86	ND	UJ	0.05	ND	UJ	0.25
RS-006	006378-04	12/18/2016	Indulin AA-86	ND	UJ	0.05	ND	UJ	0.25
RS-007	000988-01	12/16/2016	Indulin AA-86	ND	UJ	0.05	ND	UJ	0.25
RS-007	006373-01	12/17/2016	Indulin AA-86	ND	UJ	0.05	ND	UJ	0.26
RS-008	000988-02	12/16/2016	Indulin AA-86	ND	UJ	0.05	ND	UJ	0.25
RS-008	006373-02	12/17/2016	Indulin AA-86	ND	UJ	0.05	ND	UJ	0.26
RS-009	000988-03	12/16/2016	Indulin AA-86	ND	UJ	0.05	ND	UJ	0.25
RS-009	006373-03	12/18/2016	Indulin AA-86	ND	UJ	0.05	ND	UJ	0.27
RS-010	000988-04	12/16/2016	Indulin AA-86	ND	UJ	0.05	ND	UJ	0.25
RS-010	006373-04	12/17/2016	Indulin AA-86	ND	UJ	0.05	ND	UJ	0.26
RS-011	000990-03	12/16/2016	Indulin AA-86	ND	UJ	0.05	ND	UJ	0.25
RS-011	006374-02	12/17/2016	Indulin AA-86	ND	UJ	0.05	ND	UJ	0.26
RS-012	000988-05	12/16/2016	Indulin AA-86	ND	UJ	0.05	ND	UJ	0.25
RS-012	006373-05	12/17/2016	Indulin AA-86	ND	UJ	0.05	ND	UJ	0.27
RS-013	000990-04	12/16/2016	Indulin AA-86	ND	UJ	0.05	ND	UJ	0.25
RS-013	006374-01	12/18/2016	Indulin AA-86	ND	UJ	0.05	ND	UJ	0.26
RS-014	000990-02	12/16/2016	Indulin AA-86	ND	UJ	0.05	ND	UJ	0.25
RS-014	006374-03	12/17/2016	Indulin AA-86	ND	UJ	0.05	ND	UJ	0.26
RS-015	000990-01	12/16/2016	Indulin AA-86	ND	UJ	0.05	ND	UJ	0.25
RS-015	006374-04	12/17/2016	Indulin AA-86	ND	UJ	0.05	ND	UJ	0.26
RS-016	000992-01	12/16/2016	Indulin AA-86	ND	UJ	0.05	ND	UJ	0.25
RS-016	006379-01	12/17/2016	Indulin AA-86	ND	UJ	0.05	ND	UJ	0.26
RS-017	000995-01	12/16/2016	Indulin AA-87	ND	UJ	0.05	ND	UJ	0.25
RS-017	006379-02	12/17/2016	Indulin AA-88	ND	UJ	0.05	ND	UJ	0.26
RS-018	000995-02	12/16/2016	Indulin AA-89	ND	UJ	0.05	ND	UJ	0.25
RS-018	006379-03	12/18/2016	Indulin AA-90	ND	UJ	0.05	ND	UJ	0.26
RS-019	000995-04	12/16/2016	Indulin AA-91	ND	UJ	0.05	ND	UJ	0.25

Corpus Christi Drinking Water System Samples

Location ID	Sample ID	Sample Date	Analyte	LC/MS Result (mg/L)	Lab Result Qualifier	LC/MS Reporting Limit (mg/L)	GCMS Result (mg/L)	Lab Result Qualifier	GCMS Reporting Limit (mg/L)
RS-019	006379-04	12/18/2016	Indulin AA-92	ND	UJ	0.05	ND	UJ	0.26
RS-020	000995-03	12/16/2016	Indulin AA-93	ND	UJ	0.05	ND	UJ	0.25
RS-020	006378-03	12/18/2016	Indulin AA-94	ND	UJ	0.05	ND	UJ	0.26
RS-034	006371-02	12/17/2016	Indulin AA-95	ND	UJ	0.05	ND	UJ	0.26
RS-039	006370-01	12/17/2016	Indulin AA-96	ND	UJ	0.05	ND	UJ	0.26

ND = The material was analyzed for, but was not detected above the method detection limit. The value returned is an estimate and may be inaccurate or imprecise.

None of the 28 drinking water samples collected from across the City of Corpus Christi water supply system tested positive for the presence of Indulin AA-86 in drinking water at method detection levels of 0.05 mg/l for LCMS and 0.25 mg/l for GCMS. The EPA and TCEQ toxicologists established an health based action level of 2.6 mg/l for Indulin AA-86 in drinking water.

Analytical results are to be considered preliminary findings until a full quality control review can be completed and the final report is generated by EPA's laboratory. Analytical methods used for these tests are new and developed specifically for drinking water samples collected from Corpus Christi. The analytical methods have not been validated and the EPA Houston Laboratory is not certified to test for this chemical. Quantitation was made using pure Indulin AA-86 [fatty amine derivative] product that was collected in the field and provided to the Houston Laboratory by the State of Texas. The salt form of Indulin AA-86 was needed to match the operations at the facility and created using hydrochloric acid with a ratio of product to salt of 1.0:1.1, per information provided by Ingevity, the manufacturer. Laboratory creation of the salt form of Indulin AA-86 results in uncertainty of the reference material and results are to be considered estimates. Standard quality control procedures were followed.